

MTH 135 Solutions to chapter 8 supplement and to the unit 6 review guide.

Supplement:

1.  $y = 4$
2.  $y = \frac{4}{3}x - 6$
3.  $y = \frac{-3}{2}x + 2$
4.  $y = \frac{-2}{5}x + \frac{14}{5}$
5.  $y = \frac{1}{3}x - \frac{17}{3}$
6.  $y = -x - 5$
7.  $y = \frac{4}{3}x + \frac{16}{3}$
8.  $y = -2x + 16$
9.  $x = 3$
10.  $y = \frac{5}{2}x - 38$
11.  $y = \frac{5}{9}x + 5$
12.  $y = \frac{-9}{5}x - \frac{8}{5}$
13. 39.7 miles
14.  $c = 17/5$
15. 155.4 miles for Terry, Mary drove 94.6 miles
16.  $x = 4$  inches

Review Guide

1.  $a = \frac{S - 10b}{6}$
2.  $x = 7/15$
4. b, d
5. a. false      b. false      c. true
8.  $m = -13$
9.  $m = -4/5$ ; y-interc. = 2; x-interc. =
- 5/2
10.  $y = x$
11.  $y = x + 4$
12.  $y = \frac{-3}{2}x + \frac{5}{2}$
13.  $x = 10$  inches
14. 127 checks